

# M A T E R I A L   S A F E T Y   D A T A   S H E E T

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : PL PREMIUM WOOD GLUE  
 IDENTIFICATION NUMBER: 73-943  
 PRODUCT USE/CLASS : Adhesive

DATE PRINTED: 07/25/96

SUPPLIER:

MANUFACTURER:  
 ChemRex Inc.  
 Contech Brands  
 889 Valley Park Drive  
 Shakopee, MN 55379

EMERGENCY TELEPHONE:

EMERGENCY TELEPHONE: (800) 424-9300  
 24 HRS A DAY 7 DAYS A WEEK

PREPARER: Mark Horton, PHONE: 612-496-6000, PREPARE DATE: 07/23/96

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	Methylene bisphenyl diisocyanate	101-68-8	20.0 %
02	Polymethylenepolyphenylisocyanate	9016-87-9	15.0 %

ITEM	EXPOSURE LIMITS				COMPANY TLV-TWA	SKIN
	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING		
01	.051 mg/m3	N.E.	.2 mg/m3	N.E.	N.E.	NO
02	N.E.	N.E.	N.E.	N.E.	N.E.	NO

(See Section 16 for abbreviation legend)

## SECTION 3 - HAZARDOUS IDENTIFICATION

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Irritating, but will not permanently injure eye tissue.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Causes skin irritation. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.

EFFECTS OF OVEREXPOSURE - INHALATION: Slightly irritating to respiratory tracts.

EFFECTS OF OVEREXPOSURE - INGESTION: Irritating to mouth, throat and

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**SECTION 3 - HAZARDS IDENTIFICATION**

stomach.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** Preexisting respiratory or skin condition(s) may be aggravated by exposure. This product contains an isocyanate. Persons with a history of exposure to isocyanates may experience reddening, swelling, rash or blisters. Such individuals could also experience chemical asthma, and nonspecific asthmatic conditions. This product may contain a small amount [ $<0.1\%$ ] of toluene diisocyanate. NIOSH, NTP and IARC list toluene diisocyanate as a suspected carcinogen. Note also that prolonged repeated exposure to isocyanates can lead to skin sensitization. For persons so sensitized even brief exposures to the isocyanate can produce reddening, swelling, rash, or blisters. Similarly, prolonged and repeated exposure to isocyanates can lead to respiratory sensitization. In such individuals brief exposures to isocyanates at levels well below the TLV can produce chemical asthma, and nonspecific asthmatic conditions.

**PRIMARY ROUTE(S) OF ENTRY:** SKIN CONTACT INHALATION EYE CONTACT

**SECTION 4 - FIRST AID MEASURES**

**FIRST AID - EYE CONTACT:** Flush eye with water for 15 minutes. Get medical attention.

**FIRST AID - SKIN CONTACT:** Remove contaminated clothing. Wash skin with soap and water. Get medical attention.

**FIRST AID - INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**FIRST AID - INGESTION:** If swallowed, DO NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into lungs.

**SECTION 5 - FIRE FIGHTING MEASURES**

**FLASH POINT:** 396 F

**LOWER EXPLOSIVE LIMIT:** N.A.

**UPPER EXPLOSIVE LIMIT:** N.A.

**AUTOIGNITION TEMPERATURE:** N/D

**EXTINGUISHING MEDIA:** CO2 DRY CHEMICAL

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Fire produces irritating or poisonous gas.

**SPECIAL FIREFIGHTING PROCEDURES:** Containers can build up pressure if

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**SECTION 5 - FIRE FIGHTING MEASURES**

exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Repeat sorbent/sweep cycle until the spill has dried up. Avoid runoff into storm sewers and ditches which lead to waterways.

**SECTION 7 - HANDLING AND STORAGE**

HANDLING: Keep out of reach of children.

STORAGE: Keep container closed when not in use.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved respiratory protection when the product is mixed or applied in a poorly ventilated area or if workplace levels of ingredients exceed the TLV. Follow applicable federal, state, and local regulations.

OTHER PROTECTIVE EQUIPMENT: Use rubber, neoprene or vinyl alcohol gloves.

HYGIENIC PRACTICES: Do not take internally. Wash thoroughly after handling. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

BOILING RANGE	: 342 - 396 F	VAPOR DENSITY	: Is heavier than air
ODOR	: Mild oily	ODOR THRESHOLD	: N/D
APPEARANCE	: Clear liquid	EVAPORATION RATE	: Is slower than Butyl Acetate
SOLUBILITY IN H2O	: Slight. <0.1 %	SPECIFIC GRAVITY	: 1.0763
FREEZE POINT	: N/D	pH @ 0.0 %	: N/D
VAPOR PRESSURE	: <1mm Hg @ 77F	VISCOSITY	: N/D
PHYSICAL STATE	: Liquid		
COEFFICIENT OF WATER/OIL DISTRIBUTION	: N/D		

(See Section 16 for abbreviation legend)

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**SECTION 10 - STABILITY AND REACTIVITY**

CONDITIONS TO AVOID: Long term exposure to elevated temperatures.

INCOMPATIBILITY: Strong bases or oxidants. Strong Lewis or mineral acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Acrid fumes. Oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

**SECTION 11 - TOXICOLOGICAL PROPERTIES**

PRODUCT DERMAL LD50: No Information  
PRODUCT LC50: No Information

PRODUCT ORAL LD50: No Information

**COMPONENT TOXICOLOGICAL INFORMATION:**

----- CHEMICAL NAME -----	DERMAL LD50	ORAL LD50	LC50
Methylene bisphenyl dii	500 mg/kg/24	30,000 mg/kg	178 mg/m3
Polymethylenepolyphenyl	>9400 mg/kg	>10 gm/kg	No Information

**SECTION 12 - ECOLOGICAL INFORMATION**

ECOLOGICAL INFORMATION: No Information.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

DISPOSAL METHOD: Review all local, state, and federal regulations concerning health and pollution for appropriate disposal procedures.

**SECTION 14 - TRANSPORTATION INFORMATION**

DOT PROPER SHIPPING NAME: Not Regulated

DOT TECHNICAL NAME: N/A

DOT HAZARD CLASS: N/A

HAZARD SUBCLASS: N/A

DOT UN/NA NUMBER: N/A

PACKING GROUP: N/A

RESP. GUIDE PAGE:

DOT PLACARD AT: N/A

DOT CLASS NUMBER: N/A

UN PROPER SHIPPING NAME: Not Regulated

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**SECTION 14 - TRANSPORTATION INFORMATION**

UN UN/NA NUMBER: N/A

UN PACKING GROUP: AIR N/A MARINE N/A

UN PLACARD AT: N/A

**SECTION 15 - REGULATORY INFORMATION****U.S. FEDERAL REGULATIONS: AS FOLLOWS -**

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

**CERCLA - SARA HAZARD CATEGORY:**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD    CHRONIC HEALTH HAZARD    FIRE HAZARD    REACTION HAZARD

**SARA SECTION 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT % IS LESS THAN
Methylene bisphenyl diisocyanate	101-68-8	20.0 %
Polymethylenepolyphenylisocyanate	9016-87-9	15.0 %

**TOXIC SUBSTANCES CONTROL ACT:**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

----- CHEMICAL NAME -----	CAS NUMBER
No information is available.	

**CALIFORNIA PROPOSITION 65:**

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

----- CHEMICAL NAME -----	CAS NUMBER
No Proposition 65 chemicals exist in this product.	

**INTERNATIONAL REGULATIONS: AS FOLLOWS -**

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

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**SECTION 15 - REGULATORY INFORMATION**

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

**SECTION 16 - OTHER INFORMATION**

HMIS RATINGS - HEALTH: 2      FLAMMABILITY: 1      REACTIVITY: 0  
PERSONAL PROTECTION: G

PREVIOUS MSDS REVISION DATE: New

VOLATILE ORGANIC COMPOUNDS (VOCs): 0.01 lbs/gal less water and exempt solvents.

LEGEND: N.A. - Not Applicable, N.E. - Not Established,  
N.D. - Not Determined

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<END OF MSDS>